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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/069,371

02/19/2002

Michael Roberts

Roberts 7-9

8134

7590 03/15/2006  
Lucent Technologies Inc  
Docket Administrator Room 3C 512  
600 Mountain Avenue  
PO Box 636  
Murray Hill, NJ 07974-0636

EXAMINER

WILSON, ROBERT W

ART UNIT

PAPER NUMBER

2661

DATE MAILED: 03/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/069,371

Applicant(s)

ROBERTS ET AL.

Examiner

Robert W. Wilson

Art Unit

2661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 February 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

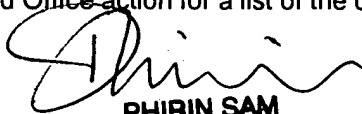
**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

  
PHIRIN SAM  
PRIMARY EXAMINER

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 2/19/02.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

***Specification***

1. This application does not contain an abstract of the disclosure as required by 37 CFR 1.72(b). An abstract on a separate sheet is required. The applicant has submitted a page from the associated PCT which contains the abstract which is not in the appropriate format. The examiner recommends that the applicant submit the abstract on a separate sheet of paper.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

3. Claims 1 & 4 are rejected under 35 U.S.C. 102(A) as being anticipated by Huusko (PCT WO 99/01991).

Referring to claim 1, Huusko teaches: A packet switched network architecture comprising a location area (C1 Fig 1) connected by a radio access network (TN per Fig 2 and Pg 9 lines 9-21) to at least two core networks (2-5 per Fig 2) transmitting packets or having the same functionality wherein the radio access network switches (Pg 9 lines 18-20) packet transmission from each terminal (MS per Fig 2) in the location area (C1 per Fig 1) of the at least two core networks (2-5 per Fig 2)

Referring to claim 4, Huusko teaches: A method of allocating resources in a packet switched mobile network (Fig 2). The TN per Fig 2 & Pg 9 lines 9-21 switches packets between at least two core networks (2-5 per Fig 2) associating each mobile user in a location area ( MS in location area C1 per Fig 2) with one of the core network resources (2-5 per Fig 2 inherently have

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resources) and switching packet transmission (Pg 9 lines 18-20) from the mobile user in the location area (MS in location area C1 per Fig 2) to the associated resources in one of the core network resources (2-5 per Fig 2 have inherent resources)

4. Claims 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hussko (PCT WO 99/01991) in view of Vialen (U.S. Patent No.; 6,542,516)

Referring to claim 2, Huusko teaches: the packet switched network architecture of claim 1 in which radio access network switches (GRAN per Fig 2) and packet transmission from each terminal (MS per Fig 2) to one of at least two core networks (2-5 per Fig 2)

Huusko does not expressly call for: switching based upon the capacity of the two networks.

Vialen teaches: adding a adaptation layer software to the RAN which provides connections between the mobile station to the core networks based upon capacity per col 2 line 54-col. 3 line 62.

It would have been obvious to one of ordinary skill in the art at the time of the invention to add the adaptation layer software of Vialen to the packet switched architecture of the Huusko in order to build a network architecture in which the mobile can communicate with multiple core networks which contain the same or different protocols through the RAN.

5. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hussko (PCT WO 99/01991) in view of Architectural Aspects for the Evolution of Mobile Communications

Towards UMTS by Berruto which is an IDS document of record.

Referring to claim 3, the Hussko teaches the packet switched network of claim 1.

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Husko does not expressly call for: core network which includes a MSC comprising a VLR the capacity of the respective core networks being determined by the capacity of the VLR.

Berruto teaches: the RAN will be used to integrate with GSM networks which have VLR and MSC which inherently keep track of resources or capacity of their respective core networks per Pg 1480 Para IV.A. 1. It would have been obvious to one of ordinary skill in the art at the time of the invention to add the MSC with VLR of Berruto to the network architecture of the Husko in order to integrate the UMTS architecture with the RAN.

5. Claims 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Husko (PCT WO 99/01991) in view of Vialen (U.S. Patent No.; 6,542,516) further in view of Architectural Aspects for the Evolution of Mobile Communications Towards UMTS by Berruto which is an IDS document of record

Referring to claim 5, Husko and Vialen teaches: the packet switched network of claim 2 and core networks.

Husko and Vialen do not expressly call for: each core network which includes a MSC comprising a VLR the capacity of the respective core networks being determined by the capacity of the VLR.

Berruto teaches: the RAN will be used to integrate with GSM networks which have VLR and MSC which inherently keep track of resources or capacity of their respective core networks per Pg 1480 Para IV.A. 1.

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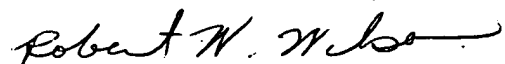
It would have been obvious to one of ordinary skill in the art at the time of the invention to add the MSC with VLR of Berruto each core network of Huusko and Vialen in order to integrate another UMTS architecture with the RAN.

***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert W. Wilson whose telephone number is 571/272-3075. The examiner can normally be reached on M-F (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T. Nguyen can be reached on 571/272-3126. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Robert W Wilson  
Examiner  
Art Unit 2661



**PHIRIN SAM  
PRIMARY EXAMINER**

RWW  
3/8/06